



US 20210221870A1

(19) **United States**(12) **Patent Application Publication****Pettit et al.**(10) **Pub. No.: US 2021/0221870 A1**(43) **Pub. Date: Jul. 22, 2021**(54) **CELL CULTURE MEDIA CONTAINING  
COMBINATIONS OF PROTEINS**(71) Applicant: **Ventria Bioscience Inc.**, Junction City,  
KS (US)(72) Inventors: **Steven Clyde Pettit**, Junction City, KS  
(US); **Mary Ann Michelle Fernandez  
Santos**, Junction City, KS (US); **Ning  
Huang**, Junction City, KS (US)(21) Appl. No.: **17/212,403**(22) Filed: **Mar. 25, 2021****Related U.S. Application Data**(63) Continuation of application No. 16/847,337, filed on  
Apr. 13, 2020, now Pat. No. 10,981,974, which is a  
continuation of application No. 15/188,478, filed on  
Jun. 21, 2016, now Pat. No. 10,618,951, which is a  
continuation of application No. 12/708,462, filed on  
Feb. 18, 2010, now abandoned.(60) Provisional application No. 61/154,204, filed on Feb.  
20, 2009.**Publication Classification**(51) **Int. Cl.****C07K 14/76** (2006.01)**C07K 14/79** (2006.01)**C12N 5/00** (2006.01)(52) **U.S. Cl.**CPC ..... **C07K 14/76** (2013.01); **C07K 14/79**  
(2013.01); **C12N 5/0056** (2013.01); **C12N**  
**5/0043** (2013.01); **C12N 2500/24** (2013.01);  
**C12N 2501/998** (2013.01); **C12N 2500/25**  
(2013.01); **C12N 2501/105** (2013.01); **C12N**  
**2510/02** (2013.01)

(57)

**ABSTRACT**

The present invention relates to methods of enhancing transfection in cell culture media supplemented with a plant-produced recombinant mammalian transferrin supplement, as well as kits, and methods of using the supplemented cell culture media to improve growth characteristics of cultured cells for transfection.

**Specification includes a Sequence Listing.**